

## 2004 EMISSIONS INVENTORY

(tons per year)

CATEGORY	SUBCATEGORY	TOG	ROG	CO	NOx	SO2	PM	PM-10	PM-2.5
<b>STATIONARY SOURCES:</b>									
<b>Fuel Combustion:</b>									
	Electric Utilities:	18.3	9.4	147.5	70.0	1.3	12.9	12.6	12.6
	Cogeneration:	7.4	0.7	3.0	1.0	0.3	0.7	0.7	0.7
	Oil and Gas Production:	14.2	3.3	86.9	72.7	0.1	2.2	2.2	2.2
	Petroleum Refining:	12.1	6.0	14.4	57.3	78.1	9.2	8.9	8.8
	Manufacturing and Industrial:	10.3	7.3	26.5	70.1	1.9	2.9	2.8	2.7
	Food and Agricultural Processing:	0.1	0.0	0.5	0.6	0.0	0.0	0.0	0.0
	Service and Commercial:	68.1	28.4	60.2	253.3	3.2	2.7	2.7	2.5
	<b>Total Fuel Combustion:</b>	<b>130.4</b>	<b>55.1</b>	<b>339.1</b>	<b>525.1</b>	<b>84.9</b>	<b>30.7</b>	<b>30.1</b>	<b>29.6</b>
<b>Waste Disposal:</b>									
	Sewage Treatment:	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
	Landfills:	2,041.7	14.3	0.1	0.4	0.2	0.1	0.1	0.1
	Incinerators:	0.0	0.0	0.4	0.4	0.0	0.5	0.1	0.1
	Soil Remediation:	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
	Other Waste Disposal:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total Waste Disposal:</b>	<b>2,044.3</b>	<b>16.5</b>	<b>0.5</b>	<b>0.9</b>	<b>0.2</b>	<b>0.6</b>	<b>0.3</b>	<b>0.2</b>
<b>Cleaning/Surface Coating:</b>									
	Laundering/Dry Cleaning:	2.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
	Degreasing:	223.0	207.2	0.0	0.0	0.0	0.0	0.0	0.0
	Coatings and Related Process Solvents:	925.3	864.8	0.0	0.0	0.0	4.5	4.3	4.1
	Printing:	35.7	35.7	0.0	0.0	0.0	0.0	0.0	0.0
	Other Cleaning and Surface Coating:	183.9	160.8	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total Cleaning/Surface Coating:</b>	<b>1,369.9</b>	<b>1,268.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4.5</b>	<b>4.3</b>	<b>4.1</b>
<b>Petroleum Production and Marketing:</b>									
	Oil and Gas Production:	196.2	66.6	0.0	0.0	0.0	0.0	0.0	0.0
	Petroleum Refining:	129.4	92.1	14.0	93.9	3,423.8	127.0	74.6	59.6
	Petroleum Marketing:	230.6	229.7	0.0	0.0	0.0	1.6	0.8	0.2
	Other Petroleum Production/Marketing:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total Petrol. Production/Marketing:</b>	<b>556.2</b>	<b>388.4</b>	<b>14.0</b>	<b>93.9</b>	<b>3,423.8</b>	<b>128.6</b>	<b>75.4</b>	<b>59.8</b>
<b>Industrial Processes:</b>									
	Chemical:	23.9	14.9	0.0	0.0	0.0	0.0	0.0	0.0
	Food and Agriculture:	68.0	68.0	0.0	0.0	0.0	33.5	23.2	11.0
	Mineral Processes:	2.1	1.1	26.6	10.1	8.2	260.3	99.4	33.7
	Metal Processes:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Wood and Paper:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Glass and Related:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Electronics:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other Industrial Processes:	0.0	0.0	0.0	0.0	0.0	0.8	0.4	0.1
	<b>Total Industrial Processes:</b>	<b>94.0</b>	<b>84.0</b>	<b>26.6</b>	<b>10.1</b>	<b>8.2</b>	<b>294.6</b>	<b>123.0</b>	<b>44.9</b>
<b>STATIONARY SOURCES SUBTOTAL:</b>		<b>4,194.8</b>	<b>1,812.8</b>	<b>380.3</b>	<b>629.9</b>	<b>3,517.0</b>	<b>458.9</b>	<b>233.0</b>	<b>138.6</b>
<b>AREA-WIDE SOURCES:</b>									
<b>Solvent Evaporation:</b>									
	Consumer Products:	814.0	671.6	0.0	0.0	0.0	0.0	0.0	0.0
	Architect Coatings/Rel Process Solv:	277.4	273.8	0.0	0.0	0.0	0.0	0.0	0.0
	Pesticides/Fertilizers:	310.3	310.3	0.0	0.0	0.0	0.0	0.0	0.0
	Asphalt Paving:	5.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total Solvent Evaporation:</b>	<b>1,407.0</b>	<b>1,261.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Miscellaneous Processes:</b>									
	Residential Fuel Combustion:	649.7	281.1	4,474.9	237.3	11.0	671.6	627.8	602.3
	Farming Operations:	11,462.5	917.0	0.0	0.0	0.0	1,587.8	722.7	160.6
	Construction and Demolition:	0.0	0.0	0.0	0.0	0.0	3,022.2	1,478.3	303.0
	Paved Road Dust:	0.0	0.0	0.0	0.0	0.0	3,744.9	1,715.5	292.0
	Unpaved Road Dust:	0.0	0.0	0.0	0.0	0.0	5,398.4	3,208.4	678.9
	Fugitive Wind Blown Dust:	0.0	0.0	0.0	0.0	0.0	1,383.4	638.8	138.7
	Fires:	0.0	0.0	14.6	0.0	0.0	0.0	0.0	0.0
	Waste Burning and Disposal:	397.0	238.0	2,377.0	75.1	5.5	313.9	308.4	281.2
	Cooking:	24.6	17.2	0.0	0.0	0.0	117.9	149.5	89.7
	<b>Total Miscellaneous Processes:</b>	<b>12,533.8</b>	<b>1,453.3</b>	<b>6,866.5</b>	<b>312.3</b>	<b>16.4</b>	<b>16,240.0</b>	<b>8,849.2</b>	<b>2,546.2</b>
<b>AREA SOURCES SUBTOTAL:</b>		<b>13,940.8</b>	<b>2,714.3</b>	<b>6,866.5</b>	<b>312.3</b>	<b>16.4</b>	<b>16,240.0</b>	<b>8,849.2</b>	<b>2,546.2</b>
<b>MOBILE SOURCES:</b>									
<b>On-Road Motor Vehicles:</b>									
	Light-Duty Passenger:	1175.3	1095.0	9610.5	897.9	3.7	36.5	36.5	21.9
	Light Duty Trucks:	1040.3	956.3	9968.2	1080.4	3.7	29.2	29.2	18.3
	Medium Duty Trucks:	251.9	230.0	2244.8	313.9	0.0	7.3	7.3	3.7
	Light Heavy Duty Gas Trucks:	84.0	73.0	543.9	65.7	0.0	0.7	0.2	0.0
	Medium Heavy Duty Gas Trucks:	84.0	80.3	631.5	58.4	0.0	0.0	0.0	0.0
	Heavy Heavy Duty Gas Trucks:	54.8	47.5	616.9	113.2	0.0	0.0	0.0	0.0
	Light Heavy Duty Diesel Trucks:	7.3	7.3	25.6	124.1	0.0	0.0	0.0	0.0
	Medium Heavy Duty Diesel Trucks:	11.0	7.3	54.8	299.3	3.7	7.3	7.3	7.3
	Heavy Heavy Duty Diesel Trucks:	51.1	43.8	189.8	1003.8	11.0	21.9	21.9	18.3
	Motorcycle:	87.6	84.0	660.7	18.3	0.0	0.0	0.0	0.0
	Heavy-Duty Diesel Urban Buses:	3.7	3.7	14.6	84.0	0.0	0.0	0.0	0.0
	Heavy Duty Gas Urban Buses:	18.3	18.3	233.6	21.9	0.0	0.0	0.0	0.0
	School Buses:	7.3	0.0	91.3	47.5	0.0	0.0	0.0	0.0
	Motor Homes:	40.2	36.5	1000.1	87.6	0.0	0.0	0.0	0.0
	<b>Total On-Road Motor Vehicles:</b>	<b>2,916.4</b>	<b>2,682.8</b>	<b>25,885.8</b>	<b>4,215.8</b>	<b>21.9</b>	<b>102.9</b>	<b>102.4</b>	<b>69.4</b>
<b>Other Mobile Sources:</b>									
	Aircraft:	255.5	222.7	2,087.8	32.9	3.7	0.0	0.0	0.0
	Trains:	29.2	25.6	94.9	613.2	62.1	18.3	18.3	14.6
	Ships and Commercial Boats:	243.9	208.8	476.5	4,549.2	2,382.3	372.0	358.1	348.1
	Recreational Boats:	715.4	664.3	2,365.2	109.5	0.0	62.1	58.4	43.8
	Off Road Recreational Vehicles:	40.2	36.5	529.3	11.0	0.0	0.0	0.0	0.0
	Off-Road Equipment:	719.1	664.3	5,825.4	1,335.9	0.0	109.5	105.9	91.3
	Farm Equipment:	164.3	142.4	978.2	1,000.1	7.3	65.7	65.7	62.1
	Fuel Storage and Handling:	127.8	127.8	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total Other Mobile:</b>	<b>2,295.2</b>	<b>2,092.2</b>	<b>12,357.3</b>	<b>7,651.7</b>	<b>2,455.3</b>	<b>627.5</b>	<b>606.3</b>	<b>559.8</b>
<b>MOBILE SOURCES SUBTOTAL:</b>		<b>5,211.5</b>	<b>4,775.0</b>	<b>38,243.1</b>	<b>11,867.5</b>	<b>2,477.2</b>	<b>730.4</b>	<b>708.7</b>	<b>629.1</b>
<b>NATURAL SOURCES:</b>									
<b>(NON-ANTHROPOGENIC)</b>									
<b>Natural Sources:</b>									
	Biogenic Sources:	12,428.3	11,607.0	0.0	0.0	0.0	0.0	0.0	0.0
	Geogenic Sources:	47.5	11.0	0.0	0.0	0.0	0.0	0.0	0.0
	Wildfires:	2,489.3	1,580.5	22,637.3	715.4	219.0	3,292.3	2,306.8	1,956.4
	<b>Total Natural Sources:</b>	<b>14,965.0</b>	<b>13,198.4</b>	<b>22,637.3</b>	<b>715.4</b>	<b>219.0</b>	<b>3,292.3</b>	<b>2,306.8</b>	<b>1,956.4</b>
<b>NATURAL SOURCES SUBTOTAL:</b>		<b>14,965.0</b>	<b>13,198.4</b>	<b>22,637.3</b>	<b>715.4</b>	<b>219.0</b>	<b>3,292.3</b>	<b>2,306.8</b>	<b>1,956.4</b>
<b>TOTAL ALL SOURCES:</b>		<b>38,312.1</b>	<b>22,500.5</b>	<b>68,127.2</b>	<b>13,525.2</b>	<b>6,229.6</b>	<b>20,721.6</b>	<b>12,097.8</b>	<b>5,270.4</b>